



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Arya Reza BEHZAD

Appl. No.: 10/779,769

Filed: February 18, 2004

For: **Large Dynamic Range**

**Programmable Gain Attenuator**

Confirmation No.: 2217

Art Unit: 2817

Examiner: Choe, Henry

Atty. Docket: 1875.0980002/JTH/TAD

**First Supplemental Information Disclosure Statement**

Commissioner for Patents  
PO Box 1450  
Alexandria, VA 22313-1450

Sir:

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Applicant has listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicant reserves the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent

application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith.

Applicant has checked the appropriate boxes below.

- ☐ 1. Statement under 37 C.F.R. 1.704(d). Each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this information disclosure statement.
- ☒ 2. Filing under 37 C.F.R. § 1.97(b). This Information Disclosure Statement is being filed before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No statement or fee is required.
- ☐ 3. Filing under 37 C.F.R. § 1.97(c). This Information Disclosure Statement is being filed more than three months after the U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection, or Notice of Allowance, or an action that otherwise closes prosecution in the application.
  - ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).

- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- ☐ c. Attached is our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p).
- ☐ 4. Filing under 37 C.F.R. § 1.97(d) This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. Enclosed find our PTO-2038 Credit Card Payment Form in the amount of \$\_\_\_\_\_ in payment of the fee under 37 C.F.R. § 1.17(p); in addition:
- ☐ a. Statement under 37 C.F.R. § 1.97(e)(1). I hereby state that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
- ☐ b. Statement under 37 C.F.R. § 1.97(e)(2). I hereby state that no item of information in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign

application and, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

☐ 5. The document(s) was/were cited in a search report by a foreign patent office in a counterpart foreign application. Submission of an English language version of the search report that indicates the degree of relevance found by the foreign office is provided in satisfaction of the requirement for a concise explanation of relevance. 1138 OG 37, 38.

☒ 6. A concise explanation of the relevance of the non-English language documents appears below:

Document AL1 (JP 55-68712 A) appears to describe a signal level control unit. An English abstract of document AL1 is enclosed as document AN1.

Document AM1 (JP 58-200623 A) appears to describe a variable attenuator circuit. An English abstract of document AM1 is enclosed as document AO1.

Document AK2 (JP 59-18421 A) appears to describe an automatic band following filter. An English abstract of document AK2 is enclosed as document AP1.

Document AL2 (JP 61-145918 A) appears to describe an electronic volume circuit. An English abstract of document AL2 is enclosed as document AQ1.

Document AM2 (JP 63-69307 A) appears to describe a high frequency logarithmic amplifier. An English abstract of document AM2 is enclosed as document AR1.

Document AK3 (JP 5-167364 A) appears to describe a semiconductor circuit. An English abstract of document AK3 is enclosed as document AN2.

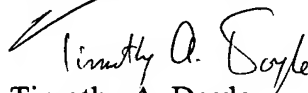
- ☒ 7. Copies of the 'Foreign Patent' and 'Other' documents are submitted herewith.
- ☐ 8. Copies of the documents were cited by or submitted to the Office in an IDS that complies with 37 C.F.R. § 1.98(a)-(c) in Application No. \_\_\_\_\_, filed \_\_\_\_\_, which is relied upon for an earlier filing date under 35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R. § 1.98(d).
- ☒ 9. No copies of U.S. patents and patent application publications cited on the attached Form PTO-1449 are submitted in accordance with 1276 OG 55 because this application was filed after June 30, 2003.
- ☒ 10. It is expected that the examiner will review the prosecution and cited art in the parent application no. 09/712,410 in accordance with MPEP 2001.06(b), and indicate in the next communication from the office that the art cited in the earlier prosecution history has been reviewed in connection with the present application.

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and indicate in the official file wrapper of this patent application that the documents have been considered.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.



Timothy A. Doyle  
Attorney for Applicant  
Registration No. 51,262

Date: 23 SEP 04

1100 New York Avenue, N.W.  
Washington, D.C. 20005-3934  
(202) 371-2600

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FORM PTO-1449

ATTY. DOCKET NO.  
1875.0980002APPLICATION NO.  
10/779,769INVENTOR  
Arya Reza BEHZADFILING DATE  
February 18, 2004ART UNIT  
2817

## INFORMATION DISCLOSURE STATEMENT

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA1	3,796,945	03/1974	Feldman <i>et al.</i>			
	AB1	3,931,584	01/1976	Motley <i>et al.</i>			
	AC1	4,014,238	03/1977	Southard			
	AD1	4,279,005	07/1981	Kitamura <i>et al.</i>			
	AE1	4,422,109	12/1983	Sampei <i>et al.</i>			
	AF1	4,870,370	09/1989	Hedberg <i>et al.</i>			
	AG1	4,967,404	10/1990	Orlicki <i>et al.</i>			
	AH1	5,012,460	04/1991	Popovich <i>et al.</i>			
	AI1	5,438,683	08/1995	Durtler <i>et al.</i>			
	AJ1	5,721,513	02/1998	Yuasa			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AK1	2 060 292 A	04/1981	GB			N/A
	AL1	55-68712 A	05/1980	JP			No
	AM1	58-200623 A	11/1983	JP			No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	1	English Abstract of Japanese Patent Publication No. JP 55068712, published May 23, 1980, 1 page.
	AO	1	English Abstract of Japanese Patent Publication No. JP 58200623, published November 22, 1983, 1 page.
	AP	1	English Abstract of Japanese Patent Publication No. JP 59018421, published January 30, 1984, 1 page.
	AQ	1	English Abstract of Japanese Patent Publication No. JP 61145918, published July 3, 1986, 1 page.
	AR	1	English Abstract of Japanese Patent Publication No. JP 63069307, published March 29, 1988, 1 page.

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
SEP 23 2004	AA2	6,026,127	02/2000	Lewicki <i>et al.</i>			
	AB2	6,114,980	09/2000	Tilley <i>et al.</i>			
	AC2	6,147,558	11/2000	Sculley			
	AD2	6,148,398	11/2000	Chang <i>et al.</i>			
	AE2	6,222,473 B1	04/2001	Castaneda <i>et al.</i>			
	AF2	6,472,940 B1	10/2002	Behzad <i>et al.</i>			
	AG2	6,621,346 B1	09/2003	Nabicht <i>et al.</i>			
	AH2	6,693,491 B1	02/2004	Delano			
	AI2	6,696,892	02/2004	Behzad			
	AJ2	2004/0108892 A1	06/2004	Behzad <i>et al.</i>			

## FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AK2	59-18421 A	01/1984	JP			No
	AL2	61-145918 A	07/1986	JP			No
	AM2	63-69307 A	03/1988	JP			No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AN	2	English Abstract of Japanese Patent Publication No. JP 5167364, published July 2, 1993, 1 page.
	AO	2	
	AP	2	
	AQ	2	
	AR	2	

EXAMINER

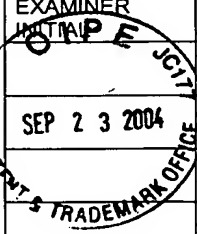
DATE CONSIDERED

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA3						
	AB3						
	AC3						
	AD3						
	AE3						
	AF3						
	AG3						
	AH3						
	AI3						
	AJ3						

**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AK3	5-167364 A	07/1993	JP			No
	AL3	WO 88/00773 A1	01/1988	PCT			N/A
	AM3						

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AN	3	
	AO	3	
	AP	3	
	AQ	3	
	AR	3	

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